

Charge and Exciton Transport in pi-Conjugated “Molecular Wires”

Kirk S. Schanze

Department of Chemistry, University of Florida

We have an interest in charge and excited state transport in pi-conjugated electronic systems. Evidence suggests that transport is efficient and rapid, even in polymers with lengths approaching 100 nm. The talk will provide review relevant background in the area done by our group and other groups using well defined conjugated polymers and oligomers and using ultrafast time resolved spectroscopy and pulse radiolysis as probes.